



**COLORADO SCHOOL OF MINES  
ELECTRICAL ENGINEERING & COMPUTER SCIENCE DEPARTMENT**

**CSCI-410  
Elements of Computing Systems  
Spring 2014**

**ECS-10**

Implement the project as specified in Chapter 10.

Note that your top level module for this project is “JackAnalyzer” (see Sec 10.2.3).

Also, note that Grammar defines 24 non-terminals. However, the analyzer is spec’ed to only output 15 non-terminals. The remaining non-terminals must be reduced down to the allowed 15. This is not difficult. For instance, the non-terminals ‘className’ and ‘varName’ both reduce to the terminal <identifier>. They are defined as non-terminals in the grammar just to make the production rules more intuitive.

**File Submission**

Be sure to adhere to the File Header Formats and the Submission Procedures.